ENERGY

NIBE NIBE F2040-6

	55 °C	35 °C
	A++	A+++

A+++
A++
A+
A
B
C
D

dB

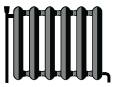
50 dB

6	4	
5	**5**	
5	4	
kW	kW	

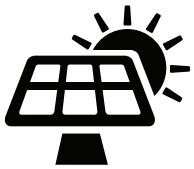
2019 811/2013

ENERGY

NIBE F2040-6 + SMO



A++

+  ☐

+  ☐

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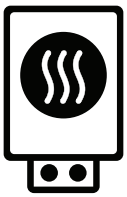
+  ☐

A+++
A++
A+
A
B
C
D
E
F
G

A++

2015 811/2013

Supplier's name:	**NIBE**		
Model:	**F2040-6**		
Temperature application	**35**	**55**	°C
Declared load profile for water heating			
Seasonal space heating energy efficiency class, average climate:	**A+++**	**A++**	
Water heating energy efficiency class, average climate:			
Rated heat output, average climate:	5	5	kW
Annual energy consumption for space heating, average climate	2089	3248	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	188	131	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	35		dB
Rated heat output, cold climate:	4	6	kW
Rated heat output, warm climate:	4	5	kW
Annual energy consumption for space heating, cold climate	2694	4610	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	872	1398	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	143	116	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	252	179	%
Water heating energy efficiency, warm climate:			%
Sound power level LWA outdoors	50		dB

Data for package fiche **in combination with SMO or VVM**

Controller class	VI		
Controler contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	192	135	%
Seasonal space heating energy efficiency class for package, average climate:	**A+++**	**A++**	%
Seasonal space heating energy efficiency of package, cold climate:	147	120	%
Seasonal space heating energy efficiency of package, warm climate:	256	183	%

Model(s):		**F2040-6**						
Type of heat source/sink:		Air-to-water						
Low-temperature heat pump:		No						
Equipped with supplementary heater:		No (Backup needed)						
Heat pump combination heater:		No						
Climate condition:		Average						
Temperature application:		Medium temperature (55 °C)						
Applied standards: EN14511, EN14825, EN16147 and EN12102								
Rated heat output	Prated	5,3	kW		**Seasonal space heating energy efficiency**	η_s	131	%
Declared capacity for part load at outdoor temperature Tj					*Declared coefficient of performance for part load at outdoor temperature Tj*			
Tj = -7 °C	Pdh	4,7	kW		Tj = -7 °C	COPd	1,88	kW
Tj = +2 °C	Pdh	2,8	kW		Tj = +2 °C	COPd	3,26	kW
Tj = +7 °C	Pdh	1,8	kW		Tj = +7 °C	COPd	4,72	kW
Tj = +12 °C	Pdh	2,7	kW		Tj = +12 °C	COPd	6,47	kW
Tj = biv	Pdh	4,7	kW		Tj = biv	COPd	1,88	kW
Tj = TOL	Pdh	4,1	kW		Tj = TOL	COPd	1,77	kW
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW		Tj = -15 °C (if TOL < -20 °C)	COPd		kW
Bivalent temperature	T_{biv}	-7	°C		Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych		kW		Cycling interval efficiency	COPcyc		-
Degradation co-efficient	Cdh	0,99	-		Heating water operating limit	WTOL	58	°C
Power consumption in modes other than active mode					*Supplementary heater*			
Off mode	P_{OFF}	0,007	kW		Rated heat output	Psup	1,2	kW
Thermostat-off mode	P_{TO}	0,012	kW					
Standby mode	P_{SB}	0,012	kW		Type of energy input	Electric		
Crankcase heater mode	P_{CK}	0	kW					
Other items								
Capacity control	variable				Rated air flow rate, outdoors		2526	m^3/h
Sound power level, indoors/outdoors	L_{WA}	-/50	dB		Rated water flow rate, indoor heat exchanger			m^3/h
Annual energy consumption	Q_{HE}	3248	kWh		Rated brine or water flow rate, outdoor heat exchanger			m^3/h
For heat pump combination heater:								
Declared load profile					**Water heating energy efficiency**	η_{wh}		%
Daily electricity consumption	Q_{elec}		kWh		Daily fuel consumption	Q_{fuel}		kWh
Annual electricity consumption	AEC		kWh		Annual fuel consumption	AFC		GJ
Approved by:								
Contact details	**© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden**							